

WHAT IS CLAIMED IS:

1. An information presenting system comprising:

scope holding means for holding a scope indicating an object to which a user is currently giving attention in accordance with at least one of a picture sensed by a camera, a map indicating a position of the camera, and a text document;

picture operating means for changing an image-sensing range of the camera;

10 first instruction means for instructing the camera to switch display pictures when the image-sensing range of the camera is changed by said ~~camera~~ ^{Picture} operating means or the scope held in said scope holding means is changed, and instructing said scope holding means to hold a new scope
15 corresponding to a new image-sensing range when the image-sensing range of the camera is changed by said picture
A ~~operating~~ ^{display} means;

picture display means for displaying a picture within the image-sensing range of the camera which is designated
20 by an instruction from said first instruction means;

map operating means for changing the scope in said scope holding means by designating an object on the map by giving an instruction;

second instruction means for updating display of a
25 symbol indicating the image-sensing range of the camera which is displayed on the map when the scope is changed by

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said map operating means or the scope held in said scope holding means is changed, and instructing said scope holding means to hold a new scope when the scope is changed by said map operating means;

5 map display means for displaying a map designated by an instruction from said second instruction means;

document operating means for changing a display document by operating a text document;

10 third instruction means for giving an instruction to switch documents when the display document is changed by said document operating means or the scope held in said scope holding means is changed, and instructing said scope holding means to hold a new scope when the display document is changed by said document operating means; and

15 document display means for displaying the document designated by an instruction from said third instruction means.

2. The system according to claim 1, wherein if the scope held in said scope holding means is changed by said first or third instruction means, and an object corresponding to a new scope is not displayed on said map display means, said map display means is instructed to display the object.

25 3. The system according to claim 2, wherein said system further comprises storage means for storing maps on different reduced scales, and if the scope held in said scope holding means is changed by said first or third

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instruction means, and an object corresponding to a new
scope is not displayed on said map display means, said
second instruction means instructs said map display means
to display a map on the smallest reduced scale that can
5 display a corresponding new image-sensing range.

4. The system according to claim 2, wherein if the scope
held in said scope holding means is changed by said first
or third instruction means, and an object corresponding to
a new scope is not displayed on said map display means, said
10 second instruction means instructs said map display means
to scroll the displayed map so as to display a corresponding
new image-sensing range.

5. The system according to claim 1, wherein if there are
a plurality of scopes to be held in said scope holding means,
15 said first instruction means designates control on the
camera to image-sense all objects corresponding to the
scopes.

6. The system according to claim 5, wherein if the camera
cannot simultaneously image-sense the plurality of objects
20 corresponding to the scopes held in said scope holding means,
said first instruction means designates control on the
camera to image-sense each object at predetermined time
intervals.

7. The system according to claim 5, wherein if the camera
25 cannot simultaneously image-sense the plurality of objects
corresponding to the scopes held in said scope holding means,

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said first instruction means displays a panoramic image obtained by image-sensing the respective objects.

8. The system according to claim 1, wherein if the camera cannot image-sense the object corresponding to the scope held in said scope holding means, said first instruction means displays a picture taken in advance.

9. The system according to claim 1, wherein if one scope is held in said scope holding means, said third instruction means instructs said document display means to display a text document having information about an object corresponding to the scope, and if a plurality of scopes are held in said scope holding means, said third instruction means instructs said document display means to display only anchors corresponding to the scopes.

10. The system according to claim 1, wherein said system further comprises acquiring means for acquiring information about a current image-sensing range of the camera, and said second instruction means changes a display mode of a symbol indicating the image-sensing range of the camera depending on whether the information about the current image-sensing range of the camera coincides with the image-sensing range of the camera which is designated by an instruction from said first instruction means.

11. An information presenting method comprising:
the scope holding step of holding a scope indicating an object to which a user is currently giving attention in

accordance with at least one of a picture sensed by a camera,
a map indicating a position of the camera, and a text
document;

the picture operating step of changing an
5 image-sensing range of the camera;

A the first instruction step of instructing the camera
to switch display pictures when the image-sensing range of
the camera is changed in the ~~camera~~^{Picture} operating step or the
scope held in the scope holding step is changed, and giving
10 an instruction to hold a new scope corresponding to a new
image-sensing range in the scope holding step when the
image-sensing range of the camera is changed in the picture
A ~~display~~^{Operating} step;
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the picture display step of displaying a picture
15 within the image-sensing range of the camera which is
designated by an instruction in the first instruction step;

the map operating step of changing the scope in the
scope holding step by designating an object on the map by
giving an instruction;

20 the second instruction step of updating display of
a symbol indicating the image-sensing range of the camera
which is displayed on the map when the scope is changed in
the map operating step or the scope held in the scope holding
step is changed, and giving an instruction to hold a new
25 scope in the scope holding step when the scope is changed
in the map operating step;

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the map display step of displaying a map designated by an instruction from in the second instruction step;

the document operating step of changing a display document by operating a text document;

5 the third instruction step of giving an instruction to switch documents when the display document is changed in the document operating step or the scope held in the scope holding step is changed, and giving an instruction to hold a new scope in the scope holding step when the display
10 document is changed in the document operating step; and

the document display step of displaying the document designated by an instruction in the third instruction step.

12. The method according to claim 11, wherein if the scope held in the scope holding step is changed by the first or
15 third instruction step, and an object corresponding to a new scope is not displayed on the map display step, the map display step comprises instructing to display the object.

13. The method according to claim 12, wherein the method further comprises the storage step of storing maps on
20 different reduced scales, and the second instruction step comprises, if the scope held in the scope holding step is changed in the first or third instruction step and an object corresponding to a new scope is not displayed in the map display step, giving an instruction to display a map on the
25 smallest reduced scale that can display a corresponding new image-sensing range in the map display step.

14. The method according to claim 12, wherein the second instruction step comprises, if the scope held in the scope holding step is changed in the first or third instruction step and an object corresponding to a new scope is not
5 displayed in the map display step, giving an instruction to scroll the displayed map so as to display a corresponding new image-sensing range in the map display step.

15. The method according to claim 11, wherein the first instruction step comprises, if there are a plurality of
10 scopes to be held in the scope holding step, instructing control on the camera to image-sense all objects corresponding to the scopes.

16. The method according to claim 15, wherein the first instruction step comprises, if the camera cannot
15 simultaneously image-sense the plurality of objects corresponding to the scopes held in the scope holding step, instructing control on the camera to image-sense each object at predetermined time intervals.

17. The method according to claim 15, wherein the first
20 instruction step comprises, if the camera cannot simultaneously image-sense the plurality of objects corresponding to the scopes held in the scope holding step, displaying a panoramic image obtained by image-sensing the respective objects.

25 18. The method according to claim 11, wherein the first instruction step comprises, if the camera cannot

image-sense the object corresponding to the scope held in the scope holding step, displaying a picture taken in advance.

19. The method according to claim 11, wherein the third instruction step comprises, if one scope is held in the scope holding step, giving an instruction to display a text document having information about an object corresponding to the scope in the document display step, and if a plurality of scopes are held in the scope holding step, giving an instructing to display only anchors corresponding to the scopes in the document display step.

20. The method according to claim 11, wherein the method further comprises the acquiring step of acquiring information about a current image-sensing range of the camera, and the second instruction step comprises changing a display mode of a symbol indicating the image-sensing range of the camera depending on whether the information about the current image-sensing range of the camera coincides with the image-sensing range of the camera which is designated by an instruction in the first instruction step.

21. A computer-readable medium storing a program comprising program codes of:

the scope holding step of holding a scope indicating an object to which a user is currently giving attention in accordance with at least one of a picture sensed by a camera,

a map indicating a position of the camera, and a text document;

the picture operating step of changing an image-sensing range of the camera;

5 the first instruction step of instructing the camera to switch display pictures when the image-sensing range of the camera is changed in the ~~camera~~^{picture} operating step or the scope held in the scope holding step is changed, and giving an instruction to hold a new scope corresponding to a new image-sensing range in the scope holding step when the image-sensing range of the camera is changed in the picture ~~display~~^{operating} step;

10 the picture display step of displaying a picture within the image-sensing range of the camera which is designated by an instruction in the first instruction step;

15 the map operating step of changing the scope in the scope holding step by instructing an object on the map by giving an instruction;

20 the second instruction step of updating display of a symbol indicating the image-sensing range of the camera which is displayed on the map when the scope is changed in the map operating step or the scope held in the scope holding step is changed, and giving an instruction to hold a new scope in the scope holding step when the scope is changed in the map operating step;

25 the map display step of displaying a map designated

by an instruction in the second instruction step;

the document operating step of changing a display document by operating a text document;

the third instruction step of giving an instruction
5 to switch documents when the display document is changed
in the document operating step or the scope held in the scope
holding step is changed, and giving an instruction to hold
a new scope in the scope holding step when the display
document is changed in the document operating step; and

10 the document display step of displaying the document
designated by an instruction in the third instruction step.

22. The medium according to claim 21, wherein if the scope
held in the scope holding step is changed by the first or
third instruction step, and an object corresponding to a
15 new scope is not displayed on the map display step, the map
display step comprises instructing to display the object.

23. The medium according to claim 22, wherein the medium
further comprises a program code of the storage step of
storing maps on different reduced scales, and the second
20 instruction step comprises, if the scope held in the scope
holding step is changed in the first or third instruction
step and an object corresponding to a new scope is not
displayed in the map display step, giving an instruction
to display a map on the smallest reduced scale that can
25 display a corresponding new image-sensing range in the map
display step.

24. The medium according to claim 22, wherein the second instruction step comprises, if the scope held in the scope holding step is changed in the first or third instruction step and an object corresponding to a new scope is not
5 displayed in the map display step, giving an instruction to scroll the displayed map so as to display a corresponding new image-sensing range in the map display step.

25. The medium according to claim 21, wherein the first instruction step comprises, if there are a plurality of
10 scopes to be held in the scope holding step, instructing control on the camera to image-sense all objects corresponding to the scopes.

26. The medium according to claim 25, wherein the first instruction step comprises, if the camera cannot
15 simultaneously image-sense the plurality of objects corresponding to the scopes held in the scope holding step, instructing control on the camera to image-sense each object at predetermined time intervals.

27. The medium according to claim 25, wherein the first
20 instruction step comprises, if the camera cannot simultaneously image-sense the plurality of objects corresponding to the scopes held in the scope holding step, displaying a panoramic image obtained by image-sensing the respective objects.

25 28. The medium according to claim 21, wherein the first instruction step comprises, if the camera cannot

image-sense the object corresponding to the scope held in the scope holding step, displaying a picture taken in advance.

29. The medium according to claim 21, wherein the third
5 instruction step comprises, if one scope is held in the scope holding step, giving an instruction to display a text document having information about an object corresponding to the scope in the document display step, and if a plurality of scopes are held in the scope holding step, giving an
10 instructing to display only anchors corresponding to the scopes in the document display step.

30. The medium according to claim 21, wherein the medium
further comprises a program code of the acquiring step of
acquiring information about a current image-sensing range
15 of the camera, and the second instruction step comprises changing a display mode of a symbol indicating the image-sensing range of the camera depending on whether the information about the current image-sensing range of the camera coincides with the image-sensing range of the camera
20 which is designated by an instruction in the first instruction step.